

APPENDIX 5-A
California Urban Water Conservation Council BPM Implementation Report 2000 through
2004 (Fiscal Year 1999-2000 through 2003-2004) for MWDOC

Reported as of 5/3

Water Supply & Reuse

Reporting Unit:
Municipal Water District of Orange County

Year:
2000

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
Metropolitan Water District of Southern California	244491	Imported
Orange County Water District	219423	Groundwater
Reclaimed Water	29144	Recycled
Surface Water	24827	Local Watershed

Total AF: 517885**Purchaser Information**

Name of Agency	Quantity (AF) Supplied	Retailer or Wholesaler
Brea, City of	12102	retail
Buena Park, City of	19403	retail
San Juan Capistrano, City of	10207	retail
East Orange County Water District	1519	retail
East Orange County Water District	973	wholesale
El Toro Water District	12474	retail
Fountain Valley, City of	12485	retail
Garden Grove, City of	32258	retail
Huntington Beach, City of	35397	retail
Irvine Ranch Water District	58184	retail
Laguna Beach County Water District	4977	retail
La Habra, City of	11196	retail
La Palma	2862	retail
Los Alisos Water District	11214	retail
Mesa Consolidated Water District	22700	retail
Moulton Niguel Water District	40899	retail
Newport Beach, City of	19402	retail
Orange, City of	34937	retail
San Clemente, City of	11184	retail
Santa Margarita Water District	30788	retail
Seal Beach, City of	4359	retail
Serrano Water District	3729	retail
South Coast Water District	8331	retail
Southern California Water Company	31959	retail
Trabuco Canyon Water District	4494	retail
Tustin, City of	14792	retail
Yorba Linda Water District	22820	retail
Santiago County Water District	352	retail
Westminster, City of	14889	retail

Total AF: 490886

Reported as of 5/3

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2000**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF)
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF)
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? no
 - a. If yes, describe the leak detection program:

B. Survey Data

1. Total number of miles of distribution system line. 0
2. Number of miles of distribution system line surveyed. 0

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

Reported as of 5/3

BMP 07: Public Information Programs

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2000**A. Implementation**

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

MWDOC currently has a Community Relations Program Supervisor dedicated to informing the public on MWDOC's mission. Primary to MWDOC's mission is to further the dissemination of the message of Water Use Efficiency. This is accomplished by the measures listed below. Through an active speaker's bureau program, conducting tours where the included message is water use efficiency, plus the others listed MWDOC, on a daily basis is looking for as many multiple ways of furthering the message.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	11
b. Public Service Announcement	no	
c. Bill Inserts / Newsletters / Brochures	yes	24
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	yes	3
f. Special Events, Media Events	yes	15
g. Speaker's Bureau	yes	18
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	283333	295452
2. Actual Expenditures	242900	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 08: School Education Programs

Reporting Unit:

**Municipal Water District of Orange
County**BMP Form Status:
100% CompleteYear:
2000**A. Implementation**

1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	547	66973	7
Grades 4th-6th	yes	345	38740	0
Grades 7th-8th	yes	385	10139	0
High School	yes	125	2670	0

3. Did your Agency's materials meet state education framework requirements? yes

4. When did your Agency begin implementing this program? 1/1/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	336871	385000
2. Actual Expenditures	259115	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Correct year program began is January 1, 1974.

D. Comments

Reported as of 5/3

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2000**A. Implementation****1. Financial Support by BMP**

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	1	1	8	yes	336871	259115
2	yes	1	1	9	yes	1	1
3	yes	1	1	10	yes	1	1
4	yes	1	1	11	yes	1	1
5	yes	1	1	12	yes	1	1
6	yes	1	1	13	yes	1	1
7	yes	283333	242900	14	yes	1	1

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys yes
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	yes	2	8	yes	2
2	yes	2	9	yes	2
3	yes	2	10	yes	2
4	yes	2	11	yes	2
5	yes	2	12	yes	2
6	yes	2	13	yes	2
7	yes	2	14	yes	2

4. Regional Programs by BMP

BMP	Implementation/Management Program?	BMP	Implementation/Management Program?
1	yes	8	yes
2	yes	9	yes
3	yes	10	yes
4	yes	11	yes
5	yes	12	yes
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	273841	322377
2. Actual Expenditures	268614	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?

No
- a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 11: Conservation Pricing

Reporting Unit:
**Municipal Water District of Orange
 County**

BMP Form
 Status:
100% Complete

Year:
2000

A. Implementation

**Rate Structure Data Volumetric Rates for Water Service by Customer
 Class**

1. Residential

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Service Not Provided
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d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0
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B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
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a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 12: Conservation Coordinator

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2000**A. Implementation**

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name:
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Joe Berg and Steve Hedges
 - c. Coordinator's Title WUE Programs Manager and
WUE Programs Specialist
 - d. Coordinator's Experience and Number of Years 16
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/18/1991
6. Number of conservation staff, including Conservation Coordinator. 2

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	122841	153377
2. Actual Expenditures	132965	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Conservation staff program expenditures is salary, wages, & benefits together.

D. Comments

Reported as of 6/1

BMP 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
Municipal Water District of Orange County

Reporting Period:
99-00

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one of two conditions to be in compliance with BMP 3:

Condition 1: Perform a prescreening audit. If the result is equal to or greater than 0.9 nothing more needs be done.

Condition 2: Perform a prescreening audit. If the result is less than 0.9, perform a full audit in accordance with AWWA's Manual of Water Supply Practices, Water Audits, and Leak Detection.

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO			NO
2000	99-00	NO			NO
2001	01-02	NO			NO
2002	01-02	NO			NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

Reported as of 6/1

BMP 07 Coverage: Public Information Programs

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

99-00**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 7.

Condition 1: Implement and maintain a public information program consistent with BMP 7's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 7 Implementation Year</u>	<u>RU Has Public Information Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 7 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 08 Coverage: School Education Programs

Reporting Unit:

Reporting Period:

Municipal Water District of Orange County**99-00****MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 8.

Condition 1: Implement and maintain a school education program consistent with BMP 8's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 8 Implementation Year</u>	<u>RU Has School Education Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 8 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 11 Coverage: Conservation Pricing

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

99-00**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 11.

Agency shall maintain rate structure consistent with BMP 11's definition of conservation pricing. Implementation methods shall be at least as effective as eliminating non-conserving pricing and adopting conserving pricing. For signatories supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Signatories that supply water but not sewer service shall make good faith efforts to work with sewer agencies so that those sewer agencies adopt conservation pricing for sewer service.

a) Non-conserving pricing provides no incentives to customers to reduce use. Such pricing is characterized by one or more of the following components: rates in which the unit price decreases as the quantity used increases (declining block rates); rates that involve charging customers a fixed amount per billing cycle regardless of the quantity used; pricing in which the typical bill is determined by high fixed charges and low commodity charges.

b) Conservation pricing provides incentives to customers to reduce average or peak use, or both. Such pricing includes: rates designed to recover the cost of providing service; and billing for water and sewer service based on metered water use. Conservation pricing is also characterized by one or more of the following components: rates in which the unit rate is constant regardless of the quantity used (uniform rates) or increases as the quantity used increases (increasing block rates); seasonal rates or excess-use surcharges to reduce peak demands during summer months; rates based upon the longrun marginal cost or the cost of adding the next unit of capacity to the system.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>RU Employed Non Conserving Rate Structure</u>	<u>RU Meets BMP 11 Coverage Requirement</u>
1999	99-00	NO	YES
2000	99-00	NO	YES
2001	01-02	NO	YES
2002	01-02	NO	YES
2003	03-04	NO	YES
2004	03-04	NO	YES

BMP 11 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:

Reporting Period:

Municipal Water District of Orange County**99-00****MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Agency shall staff and maintain the position of conservation coordinator and provide support staff as necessary.

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00	YES	2
2000	99-00	YES	2
2001	01-02	YES	2
2002	01-02	YES	2
2003	03-04	YES	3
2004	03-04	YES	3

BMP 12 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 5/3

Water Supply & Reuse

Reporting Unit:

Municipal Water District of Orange County

Year:

2001**Water Supply Source Information**

Supply Source Name	Quantity (AF) Supplied	Supply Type
Metropolitan	300437	Imported

Total AF: 300437**Purchaser Information**

Name of Agency	Quantity (AF) Supplied	Retailer or Wholesaler
Brea, City of	5521	retail
Buena Park, City of	5025	retail
East Orange CWD	3758	retail
El Toro WD	10959	retail
Fountain Valley, City of	2732	retail
Garden Grove, City of	3914	retail
Huntington Beach, City of	15011	retail
Irvine Ranch WD	37746	retail
La Habra, City of	3225	retail
La Palma, City of	263	retail
Laguna Beach CWD	4697	retail
Los Alisos WD	8237	retail
Mesa Consolidated WD	5868	retail
Moulton Niguel WD	34518	retail
Newport Beach, City of	4005	retail
Orange County WD	68798	wholesale
Orange, City of	6996	retail
San Clemente, City of	10321	retail
San Juan Capistrano, City of	7793	retail
Santa Margarita WD	25852	retail
Santiabo CWD	281	retail
Seal Beach, City of	1006	retail
Serrano WD	500	retail
South Coast WD	7020	retail
Southern Calif. Water Co.	8171	retail
Trabuco Canyon WD	2941	retail
Westminster, City of	3430	retail
Yorba Linda WD	11853	retail

Total AF: 300441

Reported as of 5/3

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2001**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF)
 - b. Determine other system verifiable uses (AF)
 - c. Determine total supply into the system (AF)
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

B. Survey Data

1. Total number of miles of distribution system line. 0
2. Number of miles of distribution system line surveyed. 0

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

Reported as of 5/3

BMP 07: Public Information Programs

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2001**A. Implementation**

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The Municipal Water District of Orange County does the following: 1. Participation in meetings (speaking, literature, presentations). 2. Public events and demonstration booths. 3. Newsletter and Advertising. 4. Website and Press Releases 5. Water Tours (CRA, DVL, SWP) 6. Children's Water Festival. 7. Water Awareness Week (Sponsors with OCWD & OCSD).

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	2
b. Public Service Announcement	yes	6
c. Bill Inserts / Newsletters / Brochures	yes	12
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	212
g. Speaker's Bureau	yes	30
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	166260	177138
2. Actual Expenditures	169019	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 08: School Education Programs

Reporting Unit:

**Municipal Water District of Orange
County**BMP Form Status:
100% CompleteYear:
2001**A. Implementation**1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	738	57378	3
Grades 4th-6th	yes	427	37744	5
Grades 7th-8th	yes	96	14313	2
High School	yes	13	484	2

3. Did your Agency's materials meet state education framework requirements? yes4. When did your Agency begin implementing this program? 1/1/1989**B. School Education Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	301721	326554
2. Actual Expenditures	228004	

C. "At Least As Effective As"1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2001**A. Implementation****1. Financial Support by BMP**

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	1	1	8	yes	301721	228005
2	yes	1	1	9	yes	41000	41000
3	yes	1	1	10	No	0	0
4	yes	1	1	11	yes	10000	10000
5	yes	159000	159000	12	No	0	0
6	No	0	0	13	yes	1	1
7	yes	166260	169019	14	yes	3334590	3334590

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys No
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	yes	.1	8	yes	2
2	yes	.05	9	yes	.2
3	yes	.05	10	yes	.05
4	yes	.05	11	yes	.1
5	yes	.4	12	yes	.05
6	yes	.2	13	yes	.05
7	yes	.5	14	yes	.4

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	yes	8	yes
2	yes	9	yes
3	yes	10	No
4	No	11	yes
5	yes	12	No
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	322377	392388
2. Actual Expenditures	326692	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 11: Conservation Pricing

Reporting Unit:

**Municipal Water District of Orange
County**

BMP Form

Status:

100% Complete

Year:

2001**A. Implementation****Rate Structure Data Volumetric Rates for Water Service by Customer
Class****1. Residential**

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Uniform
-------------------------	---------

b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$1.27
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$1.84

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	10000	2000
2. Actual Expenditures	10000	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?

No
- a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 12: Conservation Coordinator

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2001**A. Implementation**

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name: N/A
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Joe Berg
 - c. Coordinator's Title Water Use Efficiency Program Manager
 - d. Coordinator's Experience and Number of Years 11
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/18/1991
6. Number of conservation staff, including Conservation Coordinator. 2

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	153377	176778
2. Actual Expenditures	149362	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

Water Supply & Reuse

Reporting Unit:

Municipal Water District of Orange County

Year:

2002**Water Supply Source Information**

Supply Source Name	Quantity (AF) Supplied	Supply Type
Metropolitan	290457	Imported

Total AF: 290457**Purchaser Information**

Name of Agency	Quantity (AF) Supplied	Retailer or Wholesaler
Brea, City of	5084	retail
Buena Park, City of	6677	retail
East Orange CWD	6007	retail
El Toro WD	10957	retail
Fountain Valley, City of	2723	retail
Garden Grove, City of	4035	retail
Huntington Beach, City of	10460	retail
Irvine Ranch WD	43673	retail
La Habra, City of	3294	retail
La Palma, City of	434	retail
Laguna Beach CWD	4643	retail
Mesa Consolidated WD	5703	retail
Moulton Niguel WD	35712	retail
Newport Beach, City of	5009	retail
Orange County WD	53028	wholesale
Orange, City of	6258	retail
San Clemente, City of	11042	retail
San Juan Capistrano, City of	8791	retail
Santa Margarita WD	29071	retail
Santiago CWD	359	retail
Seal Beach, City of	1407	retail
Serrano WD	0	retail
South Coast WD	7366	retail
Southern Calif. Water Co.	10407	retail
Trabuco Canyon WD	3751	retail
Westminster, City of	3466	retail
Yorba Linda WD	11100	retail

Total AF: 290457

Reported as of 5/3

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2002**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 0
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 0
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

B. Survey Data

1. Total number of miles of distribution system line. 0
2. Number of miles of distribution system line surveyed. 0

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

Reported as of 5/3

BMP 07: Public Information Programs

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2002**A. Implementation**

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? **yes**

a. If YES, describe the program and how it's organized.

The Municipal Water District of Orange County does the following: 1. Participation in meetings (speaking, literature, presentations). 2. Public events and demonstration booths. 3. Newsletter and Advertising. 4. Website and Press Releases 5. Water Tours (CRA, DVL, SWP) 6. Children's Water Festival. 7. Water Awareness Week (Sponsors with OCWD & OCSD).

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	
b. Public Service Announcement	yes	3
c. Bill Inserts / Newsletters / Brochures	yes	15
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	yes	1
f. Special Events, Media Events	yes	248
g. Speaker's Bureau	yes	30
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	177138	182436
2. Actual Expenditures	160167	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? **No**

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 08: School Education Programs

Reporting Unit:

**Municipal Water District of Orange
County**BMP Form Status:
100% CompleteYear:
2002**A. Implementation**1. Has your agency implemented a school information program to promote water conservation? **yes**

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	880	54163	2
Grades 4th-6th	yes	407	36183	3
Grades 7th-8th	yes	72	8516	3
High School	yes	46	2964	4

3. Did your Agency's materials meet state education framework requirements? **yes**4. When did your Agency begin implementing this program? **1/1/1989****B. School Education Program Expenditures**

	This Year	Next Year
1. Budgeted Expenditures	326554	345655
2. Actual Expenditures	245047	

C. "At Least As Effective As"1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? **No**

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:
**Municipal Water District of
 Orange County**

BMP Form Status:
100% Complete

Year:
2002

A. Implementation**1. Financial Support by BMP**

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	yes	1	1	8	yes	326554	245047
2	yes	1	1	9	yes	38230	38230
3	yes	1	1	10	No	0	0
4	yes	1	1	11	yes	2000	2000
5	yes	159000	159000	12	No	0	0
6	yes	152625	152625	13	yes	1	1
7	yes	177138	160167	14	yes	4182570	4182570

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys No
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	yes	.1	8	yes	2
2	yes	.05	9	yes	.2
3	yes	.05	10	yes	.05
4	yes	.05	11	yes	.1
5	yes	.4	12	yes	.05
6	yes	.2	13	yes	.05
7	yes	.5	14	yes	.4

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	yes	8	yes
2	yes	9	yes
3	yes	10	No
4	yes	11	yes
5	yes	12	No
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	392388	382617
2. Actual Expenditures	336957	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 11: Conservation Pricing

Reporting Unit:

**Municipal Water District of Orange
County**

BMP Form

Status:

100% Complete

Year:

2002**A. Implementation****Rate Structure Data Volumetric Rates for Water Service by Customer
Class****1. Residential**

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

2. Commercial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

5. Irrigation

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

6. Other

a. Water Rate Structure	Uniform
-------------------------	---------

d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$1.87
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	This Year	Next Year
1. Budgeted Expenditures	2000	5000
2. Actual Expenditures	2000	

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP?	No
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D. Comments

Reported as of 5/3

BMP 12: Conservation Coordinator

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2002**A. Implementation**

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name: N/A
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Joe Berg
 - c. Coordinator's Title Water Use Efficiency Manager
 - d. Coordinator's Experience and Number of Years 11
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/18/1991
6. Number of conservation staff, including Conservation Coordinator. 2

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	176778	195019
2. Actual Expenditures	162943	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 6/1

BMP 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
Municipal Water District of Orange County

Reporting Period:
01-02

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one of two conditions to be in compliance with BMP 3:

Condition 1: Perform a prescreening audit. If the result is equal to or greater than 0.9 nothing more needs be done.

Condition 2: Perform a prescreening audit. If the result is less than 0.9, perform a full audit in accordance with AWWA's Manual of Water Supply Practices, Water Audits, and Leak Detection.

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO			NO
2000	99-00	NO			NO
2001	01-02	NO			NO
2002	01-02	NO			NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

Reported as of 6/1

BMP 07 Coverage: Public Information Programs

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

01-02**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 7.

Condition 1: Implement and maintain a public information program consistent with BMP 7's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 7 Implementation Year</u>	<u>RU Has Public Information Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 7 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 08 Coverage: School Education Programs

Reporting Unit:

Reporting Period:

Municipal Water District of Orange County**01-02****MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 8.

Condition 1: Implement and maintain a school education program consistent with BMP 8's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 8 Implementation Year</u>	<u>RU Has School Education Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 8 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 11 Coverage: Conservation Pricing

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

01-02**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 11.

Agency shall maintain rate structure consistent with BMP 11's definition of conservation pricing. Implementation methods shall be at least as effective as eliminating non-conserving pricing and adopting conserving pricing. For signatories supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Signatories that supply water but not sewer service shall make good faith efforts to work with sewer agencies so that those sewer agencies adopt conservation pricing for sewer service.

a) Non-conserving pricing provides no incentives to customers to reduce use. Such pricing is characterized by one or more of the following components: rates in which the unit price decreases as the quantity used increases (declining block rates); rates that involve charging customers a fixed amount per billing cycle regardless of the quantity used; pricing in which the typical bill is determined by high fixed charges and low commodity charges.

b) Conservation pricing provides incentives to customers to reduce average or peak use, or both. Such pricing includes: rates designed to recover the cost of providing service; and billing for water and sewer service based on metered water use. Conservation pricing is also characterized by one or more of the following components: rates in which the unit rate is constant regardless of the quantity used (uniform rates) or increases as the quantity used increases (increasing block rates); seasonal rates or excess-use surcharges to reduce peak demands during summer months; rates based upon the longrun marginal cost or the cost of adding the next unit of capacity to the system.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>RU Employed Non Conserving Rate Structure</u>	<u>RU Meets BMP 11 Coverage Requirement</u>
1999	99-00	NO	YES
2000	99-00	NO	YES
2001	01-02	NO	YES
2002	01-02	NO	YES
2003	03-04	NO	YES
2004	03-04	NO	YES

BMP 11 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:

Reporting Period:

Municipal Water District of Orange County**01-02****MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Agency shall staff and maintain the position of conservation coordinator and provide support staff as necessary.

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00	YES	2
2000	99-00	YES	2
2001	01-02	YES	2
2002	01-02	YES	2
2003	03-04	YES	3
2004	03-04	YES	3

BMP 12 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Water Supply & Reuse

Reporting Unit:

Municipal Water District of Orange County

Year:

2003**Water Supply Source Information**

Supply Source Name	Quantity (AF) Supplied	Supply Type
Metropolitan Water District of Southern California	225282	Imported

Total AF: 225282**Purchaser Information**

Name of Agency	Quantity (AF) Supplied	Retailer or Wholesaler
Brea, City of	5312	retail
Buena Park, City of	5047	retail
East Orange County Water District	1164	retail
El Toro Water District	11736	retail
Fountain Valley, City of	2580	retail
Garden Grove, City of	4694	retail
Huntington Beach, City of	8851	retail
Irvine Ranch Water District	36645	retail
La Habra, City of	4167	retail
La Palma, City of	462	retail
Laguan Beach County Water District	4934	retail
Mesa Consolidated Water District	2746	retail
Moulton Niguel Water District	33721	retail
Newport Beach, City of	4615	retail
Orange, City of	6357	retail
Orange Park Acres Mutual Water Company	242	retail
San Clemente, City of	10156	retail
San Juan Capistrano, City of	8822	retail
Santa Margarita Water District	30322	retail
Santiago County Water District	209	retail
Seal Beach, City of	1150	retail
Serrano Water District	2032	retail
South Coast Water District	7302	retail
Southern California Water Company	10047	retail
Trabuco Canyon Water District	2682	retail
Tustin, City of	3536	retail
Westminster, City of	3408	retail
Yorba Linda Water District	12345	retail

Total AF: 225284

Reported as of 5/3

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:
**Municipal Water District of
 Orange County**

BMP Form Status: Year:
100% Complete 2003

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? no
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 0
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 0
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

B. Survey Data

1. Total number of miles of distribution system line. 0
2. Number of miles of distribution system line surveyed. 0

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

Reported as of 5/3

BMP 07: Public Information Programs

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2003**A. Implementation**

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The Municipal Water District of Orange County does the following: 1. Monthly newsletter to cities, retail water agencies, the business community, residents and others. 2. Monthly Public Affairs workgroup meetings to share information on water issues with city and water agency (retail) representatives. 3. Quarterly water policy events featuring high profile speakers on specific issues. 4. Press releases and PSAs on conservation. 5. Guest Articles in trade and professional publications addressing water issues. 6. Cosponsoring public inspection trips to MWD facilities, Diamond Valley Lake, Colorado River Aqueduct, and State Water Project. 7. Presentations to community groups and leaders on water supply, water management, water quality, etc. 8. Demonstration booths and presentations at children's water education festival. 9. MWDOC website

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	15
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	no	0
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	1
g. Speaker's Bureau	yes	10
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	163505	207938
2. Actual Expenditures	166916.37	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 08: School Education Programs

Reporting Unit:

**Municipal Water District of Orange
County**

BMP Form Status:

100% Complete

Year:

2003**A. Implementation**

1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	502	40931	3263
Grades 4th-6th	yes	308	25124	2003
Grades 7th-8th	yes	5	435	35
High School	yes	1	60	5

3. Did your Agency's materials meet state education framework requirements? yes

4. When did your Agency begin implementing this program? 1/1/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	336339	230957
2. Actual Expenditures	222204	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2003**A. Implementation****1. Financial Support by BMP**

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	No	0	0	8	yes	336339	222204
2	No	0	0	9	No	0	0
3	yes	0	0	10	No	0	0
4	No	0	0	11	yes	10000	10000
5	yes	60000	60000	12	No	0	0
6	No	0	0	13	No	0	0
7	yes	163505	166916.37	14	No	0	0

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys No
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	yes	2	8	yes	2
2	yes	2	9	yes	2
3	yes	1	10	yes	2
4	yes	1	11	yes	2
5	yes	2	12	yes	2
6	yes	2	13	yes	2
7	yes	2	14	yes	2

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	No	8	yes
2	No	9	yes
3	yes	10	yes
4	No	11	yes
5	yes	12	yes
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	392388	382617
2. Actual Expenditures	306413	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 11: Conservation Pricing

Reporting Unit:
**Municipal Water District of Orange
 County**

BMP Form
 Status:
100% Complete

Year:
2003

A. Implementation

**Rate Structure Data Volumetric Rates for Water Service by Customer
 Class**

1. Residential

- a. Water Rate Structure Service Not Provided
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric
 Charges, Fees and other Revenue \$0
 Sources

2. Commercial

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
 Charges, Fees and other Revenue \$
 Sources

3. Industrial

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
 Charges, Fees and other Revenue \$
 Sources

4. Institutional / Government

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
 Charges, Fees and other Revenue \$
 Sources

5. Irrigation

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
 Charges, Fees and other Revenue \$
 Sources

6. Other

- a. Water Rate Structure

- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
Sources

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 12: Conservation Coordinator

Reporting Unit:
**Municipal Water District of
 Orange County**

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name: N/A
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Joe Berg
 - c. Coordinator's Title Water Use Efficiency Manager
 - d. Coordinator's Experience and Number of Years 12
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/18/1991
6. Number of conservation staff, including Conservation Coordinator. 3

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	167778	195019
2. Actual Expenditures	154782	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2004**A. Implementation**

1. Has your agency completed a pre-screening system audit for this reporting year? no

2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:

a. Determine metered sales (AF) 0

b. Determine other system verifiable uses (AF) 0

c. Determine total supply into the system (AF) 0

d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.00

3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? no

4. Did your agency complete a full-scale audit during this report year? no

5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? no

6. Does your agency operate a system leak detection program? yes

a. If yes, describe the leak detection program:

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

B. Survey Data

1. Total number of miles of distribution system line. 0

2. Number of miles of distribution system line surveyed. 0

C. System Audit / Leak Detection Program Expenditures**This Year Next Year**

1. Budgeted Expenditures 0 0

2. Actual Expenditures 0

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

MWD of Orange County does not own any distribution lines. We, therefore do not have a need for our own leak detection program. We do though, insist our retail agencies report on a yearly basis their results of their leak detection program.

Reported as of 5/3

BMP 07: Public Information Programs

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2004**A. Implementation**

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The Municipal Water District of Orange County does the following: 1. Monthly newsletter to cities, retail water agencies, the business community, residents and others. 2. Monthly Public Affairs workgroup meetings to share information on water issues with city and water agency (retail) representatives. 3. Quarterly water policy events featuring high profile speakers on specific issues. 4. Press releases and PSAs on conservation. 5. Guest Articles in trade and professional publications addressing water issues. 6. Cosponsoring public inspection trips to MWD facilities, Diamond Valley Lake, Colorado River Aqueduct, and State Water Project. 7. Presentations to community groups and leaders on water supply, water management, water quality, etc. 8. Demonstration booths and presentations at children's water education festival. 9. MWDOC website

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	no	0
b. Public Service Announcement	yes	12
c. Bill Inserts / Newsletters / Brochures	yes	5
d. Bill showing water usage in comparison to previous year's usage	no	
e. Demonstration Gardens	no	0
f. Special Events, Media Events	yes	5
g. Speaker's Bureau	yes	12
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	207938	227001
2. Actual Expenditures	173067.19	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 08: School Education Programs

Reporting Unit:

**Municipal Water District of
Orange County**

BMP Form Status:

100% Complete

Year:

2004**A. Implementation**

1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	404	31723	2614
Grades 4th-6th	yes	225	17710	1459
Grades 7th-8th	yes	0	0	0
High School	yes	0	0	0

3. Did your Agency's materials meet state education framework requirements? yes

4. When did your Agency begin implementing this program? 1/1/1989

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	230957	215987
2. Actual Expenditures	231386.75	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 10: Wholesale Agency Assistance Programs

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2004**A. Implementation****1. Financial Support by BMP**

BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded	BMP	Financial Incentives Offered?	Budgeted Amount	Amount Awarded
1	No	0	0	8	yes	230957	231386.75
2	No	0	0	9	No	0	0
3	yes	0	0	10	No	0	0
4	No	0	0	11	yes	10000	10000
5	yes	100000	100000	12	No	0	0
6	No	0	0	13	No	0	0
7	yes	207938	173067.19	14	No	0	0

2. Technical Support

- a. Has your agency conducted or funded workshops addressing CUWCC procedures for calculating program savings, costs and cost-effectiveness? yes
- b. Has your agency conducted or funded workshops addressing retail agencies' BMP implementation reporting requirements? yes
- c. Has your agency conducted or funded workshops addressing:
- 1) ULFT replacement yes
 - 2) Residential retrofits yes
 - 3) Commercial, industrial, and institutional surveys No
 - 4) Residential and large turf irrigation yes
 - 5) Conservation-related rates and pricing yes

3. Staff Resources by BMP

BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP	BMP	Qualified Staff Available for BMP?	No. FTE Staff Assigned to BMP
1	yes	2	8	yes	2
2	yes	2	9	yes	2.5
3	yes	1	10	yes	2.5
4	yes	1	11	yes	2.5
5	yes	2.5	12	yes	2.5
6	yes	2.5	13	yes	2.5
7	yes	2	14	yes	2.5

4. Regional Programs by BMP

BMP	Implementation/ Management Program?	BMP	Implementation/ Management Program?
1	No	8	yes
2	No	9	yes
3	yes	10	yes
4	No	11	yes
5	yes	12	yes
6	yes	13	yes
7	yes	14	yes

B. Wholesale Agency Assistance Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	382617	430825
2. Actual Expenditures	340174	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
- a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 11: Conservation Pricing

Reporting Unit:

**Municipal Water District of Orange
County**

BMP Form

Status:

100% Complete

Year:

2004**A. Implementation****Rate Structure Data Volumetric Rates for Water Service by Customer
Class****1. Residential**

- a. Water Rate Structure Service Not Provided
- b. Sewer Rate Structure Service Not Provided
- c. Total Revenue from Volumetric Rates \$0
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$0
Sources

2. Commercial

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
Sources

3. Industrial

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
Sources

4. Institutional / Government

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
Sources

5. Irrigation

- a. Water Rate Structure
- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
Sources

6. Other

- a. Water Rate Structure

- b. Sewer Rate Structure
- c. Total Revenue from Volumetric Rates \$
- d. Total Revenue from Non-Volumetric
Charges, Fees and other Revenue \$
Sources

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

- a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 5/3

BMP 12: Conservation Coordinator

Reporting Unit:

**Municipal Water District of
Orange County**BMP Form Status:
100% CompleteYear:
2004**A. Implementation**

1. Does your Agency have a conservation coordinator? yes
2. Is this a full-time position? yes
3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
4. Partner agency's name: N/A
5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 100%
 - b. Coordinator's Name Joe Berg
 - c. Coordinator's Title Water Use Efficiency Manager
 - d. Coordinator's Experience and Number of Years 13
 - e. Date Coordinator's position was created (mm/dd/yyyy) 11/18/1991
6. Number of conservation staff, including Conservation Coordinator. 3

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	195019	214189
2. Actual Expenditures	158174	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reported as of 6/1

BMP 03 Coverage: System Water Audits, Leak Detection and Repair

Reporting Unit:
Municipal Water District of Orange County

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one of two conditions to be in compliance with BMP 3:

Condition 1: Perform a prescreening audit. If the result is equal to or greater than 0.9 nothing more needs be done.

Condition 2: Perform a prescreening audit. If the result is less than 0.9, perform a full audit in accordance with AWWA's Manual of Water Supply Practices, Water Audits, and Leak Detection.

Test for Conditions 1 and 2

<u>Report Year</u>	<u>Report Period</u>	<u>Pre-Screen Completed</u>	<u>Pre-Screen Result</u>	<u>Full Audit Indicated</u>	<u>Full Audit Completed</u>
1999	99-00	NO			NO
2000	99-00	NO			NO
2001	01-02	NO			NO
2002	01-02	NO			NO
2003	03-04	NO			NO
2004	03-04	NO			NO

BMP 3 COVERAGE STATUS SUMMARY:

Water supplier has not met one or more coverage requirements for this BMP.

* MWDOC does not have a distribution system. The BMP reporting database/forms need to be modified to accommodate this situation so that it does not appear that MWDOC is not in compliance w/ this BMP.

Reported as of 6/1

BMP 07 Coverage: Public Information Programs

Reporting Unit:
Municipal Water District of Orange County

Reporting Period:
03-04

MOU Exhibit 1 Coverage Requirement

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 7.

Condition 1: Implement and maintain a public information program consistent with BMP 7's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 7 Implementation Year</u>	<u>RU Has Public Information Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 7 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

Reported as of 6/1

BMP 08 Coverage: School Education Programs

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

03-04**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 8.

Condition 1: Implement and maintain a school education program consistent with BMP 8's definition.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>BMP 8 Implementation Year</u>	<u>RU Has School Education Program?</u>
1999	99-00	2	YES
2000	99-00	3	YES
2001	01-02	4	YES
2002	01-02	5	YES
2003	03-04	6	YES
2004	03-04	7	YES

BMP 8 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

Reported as of 6/1

BMP 11 Coverage: Conservation Pricing

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

03-04**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

An agency must meet one condition to comply with BMP 11.

Agency shall maintain rate structure consistent with BMP 11's definition of conservation pricing. Implementation methods shall be at least as effective as eliminating non-conserving pricing and adopting conserving pricing. For signatories supplying both water and sewer service, this BMP applies to pricing of both water and sewer service. Signatories that supply water but not sewer service shall make good faith efforts to work with sewer agencies so that those sewer agencies adopt conservation pricing for sewer service.

a) Non-conserving pricing provides no incentives to customers to reduce use. Such pricing is characterized by one or more of the following components: rates in which the unit price decreases as the quantity used increases (declining block rates); rates that involve charging customers a fixed amount per billing cycle regardless of the quantity used; pricing in which the typical bill is determined by high fixed charges and low commodity charges.

b) Conservation pricing provides incentives to customers to reduce average or peak use, or both. Such pricing includes: rates designed to recover the cost of providing service; and billing for water and sewer service based on metered water use. Conservation pricing is also characterized by one or more of the following components: rates in which the unit rate is constant regardless of the quantity used (uniform rates) or increases as the quantity used increases (increasing block rates); seasonal rates or excess-use surcharges to reduce peak demands during summer months; rates based upon the longrun marginal cost or the cost of adding the next unit of capacity to the system.

Test for Condition 1

<u>Year</u>	<u>Report Period</u>	<u>RU Employed Non Conserving Rate Structure</u>	<u>RU Meets BMP 11 Coverage Requirement</u>
1999	99-00	NO	YES
2000	99-00	NO	YES
2001	01-02	NO	YES
2002	01-02	NO	YES
2003	03-04	NO	YES
2004	03-04	NO	YES

BMP 11 COVERAGE STATUS SUMMARY:

Water supplier is meeting coverage requirements for this BMP.

Reported as of 6/1

BMP 12 Coverage: Conservation Coordinator

Reporting Unit:

Municipal Water District of Orange County

Reporting Period:

03-04**MOU Exhibit 1 Coverage Requirement**

No exemption request filed

Agency indicated "at least as effective as" implementation during report period?

No

Agency shall staff and maintain the position of conservation coordinator and provide support staff as necessary.

Test for Compliance

<u>Report Year</u>	<u>Report Period</u>	<u>Conservation Coordinator Position Staffed?</u>	<u>Total Staff on Team (incl. CC)</u>
1999	99-00	YES	2
2000	99-00	YES	2
2001	01-02	YES	2
2002	01-02	YES	2
2003	03-04	YES	3
2004	03-04	YES	3

BMP 12 COVERAGE STATUS SUMMARY:**Water supplier is meeting coverage requirements for this BMP.**

